

SUGARCANE GROWTH MEASUREMENT DATA  
USDA-ARS, SRRC, SUGARCANE RESEARCH UNIT  
ARDOYNE FARM, HOUma, LOUISIANA

Growth Measurement No. 15

Growth from 7/5/05 to 7/12/05

Average growth (inches) this week Plant-Cane

|                   |      |
|-------------------|------|
| LCP 85-384 .....  | 6.10 |
| Ho 95-988 .....   | 6.65 |
| HoCP 96-540 ..... | 5.94 |
| L 97-128 .....    | 5.83 |

Average growth (inches) this week 1st-Stubble

|                   |      |
|-------------------|------|
| LCP 85-384 .....  | 5.15 |
| Ho 95-988 .....   | 5.65 |
| HoCP 96-540 ..... | 6.35 |
| L 97-128 .....    | 5.13 |

Average height (inches) to date Plant-Cane

|                   |       |
|-------------------|-------|
| LCP 85-384 .....  | 55.45 |
| Ho 95-988 .....   | 51.45 |
| HoCP 96-540 ..... | 49.20 |
| L 97-128 .....    | 62.55 |

Average height (inches) to date 1st-Stubble

|                   |       |
|-------------------|-------|
| LCP 85-384 .....  | 53.60 |
| Ho 95-988 .....   | 52.50 |
| HoCP 96-540 ..... | 59.40 |
| L 97-128 .....    | 65.25 |

**Average height in inches**

| YEAR | HoCP 96-540 |                          | LCP 85-384 |                          |
|------|-------------|--------------------------|------------|--------------------------|
|      | PLANT-CANE  | 1 <sup>ST</sup> -STUBBLE | PLANT-CANE | 1 <sup>ST</sup> -STUBBLE |
| 2005 | 49.2        | 59.4                     | 55.5       | 53.6                     |
| 2004 | 67.5        | 65.2                     | 60.6       | 60.9                     |
| 2003 |             |                          | 52.9       | 57.4                     |
| 2002 |             |                          | 53.5       | 56.1                     |
| 2001 |             |                          | 56.3       | 58.1                     |
| 2000 |             |                          | 64.8       | 65.4                     |
| 1999 |             |                          | 71.0       | 66.8                     |
| 1998 |             |                          | 50.9       | 73.2                     |
| 1997 |             |                          | 55.7       | 58.4                     |
| 1996 |             |                          | 47.2       | 51.9                     |

**SOIL MOISTURE and CLIMATOLOGICAL DATA\***

|             | <u>6"</u> | <u>12"</u> | <u>18"</u> | <u>Temp</u> |
|-------------|-----------|------------|------------|-------------|
| <b>Min</b>  | 23.3      | 28.8       | 16.8       | 70.1        |
| <b>Max</b>  | 39.3      | 40.8       | 26.3       | 99.1        |
| <b>Mean</b> | 32.5      | 33.7       | 19.3       | 80.9        |

Rainfall total for week (inches).....0.14"

Rainfall total for year (inches)..... 31.74"

\* Temperature, rainfall records, and soil moisture from Ardoyne Farm.  
Soil moisture ranges from 0 cbars (saturated) to 200 cbars (dry).